

From arc5 at ix.netcom.com Mon Jan 4 15:27:13 2021  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Mon, 4 Jan 2021 09:27:13 -0600  
Subject: [BoatAnchors] Crystal Etching Using Whink- Need Chemical Person  
Message-ID: <5b07178c-23d6-a57e-d2a6-3382a208a955@ix.netcom.com>

I've etched crystals with Whink for some time.  
Recently, I used a plastic tub about 3 inches  
in diameter, poured 1/4 inch of Whink in it  
to etch a crystal.?? The first hour, it moved a  
4110 KC crystal 3 KC.? After that hour, it slows  
waaaaay down.?? With fresh Whink, I etched a  
3498 crystal over night, wanting to move it  
up into the Extra CW band.  
This morning, after 8 hours, it has moved to 3500 KC.

A friend suggested that the open-top,  
wide tub is exposing the Whink to the air,  
which oxidizes and loses strength the longer  
it's exposed.? He suggested I use a plastic  
"pill bottle," which will take less Whink,  
and seal it from the air.? I'd build a "stand"  
to hold the pill bottle stable, since a small  
bottle would be subject to spilling and you  
don't want to fool around- the stuff can hurt ya.

What do you think?? Is air exposure  
the culprit in the rapid weakening of Whink?

73 DE Dave AB5S

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This email has been checked for viruses by Avast antivirus software.  
<https://www.avast.com/antivirus>

From arc5 at ix.netcom.com Tue Jan 5 12:17:41 2021  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Tue, 5 Jan 2021 06:17:41 -0600  
Subject: [BoatAnchors] Crystal Etching Using Whink  
In-Reply-To: <16571102C61FD40D.14857@groups.io>  
References: <16571102C61FD40D.14857@groups.io>  
Message-ID: <cc4e8f74-9966-04d3-651a-2d7cbbf6292a@ix.netcom.com>

Well, I left the 3500 crystal in sealed pill bottle  
with fresh Whink overnight.? As before, it moved  
2 KC in about 8 hours.? So it's not the air.? Perhaps

Whink is made weaker now.? At least the pill bottle didn't waste as much as the tub.

As others have noted, different crystal dates and makers can move different amounts with Whink. If you're going to use it, use fresh for an hour and see how far it moves.

Important Note:

If your crystal blank has metal deposited on it, it's not there just as a contact point.? The deposit can be carefully controlled to adjust the crystal frequency.? It will be stripped very quickly by Whink and your crystal will go up frequency at warp speed.? Some I had would move 2-3 KC with only 2-3 seconds in the Whink. Have your water-bath ready to stop the reaction and determine how fast it's going to move. Discovered this when I tried to etch a crystal in the 75M band up to 3890.? The metal coating started bubbling right away and I let it go one far too long.? When I took the crystal out and cleaned it, it was almost 4 MC!

GL OM ES 73 DE Dave AB5S

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<https://www.avast.com/antivirus>

From arc5 at ix.netcom.com Tue Jan 5 12:20:50 2021  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Tue, 5 Jan 2021 06:20:50 -0600  
Subject: [BoatAnchors] Crystal Grinding  
Message-ID: <1d49653c-c0d5-4c15-bfdd-063e25d78bea@ix.netcom.com>

Some folks have mentioned they grind crystals. Never had much success doing so- I've killed many a crystal.

If you do have more positive results, please detail exactly what you use and how you do it.?? Old dog seeks new tricks.

TNX DE Dave AB5S

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<https://www.avast.com/antivirus>

From: nielwiegand at aggienetwork.com Tue Jan 5 13:55:32 2021  
From: nielwiegand at aggienetwork.com (Niel Wiegand)  
Date: Tue, 5 Jan 2021 07:55:32 -0600  
Subject: [BoatAnchors] Crystal Grinding  
In-Reply-To: <1d49653c-c0d5-4c15-bfdd-063e25d78bea@ix.netcom.com>  
References: <1d49653c-c0d5-4c15-bfdd-063e25d78bea@ix.netcom.com>  
Message-ID: <31c74295-514f-e533-49e7-460c8ecb8c6a@aggienetwork.com>

I use 400 grit wet sandpaper and limit grinding to less than 30KHz.

See

<http://w0vlz.blogspot.com/2008/03/grinding-transmitting-crystals.html>  
for details.

Niel - W0VLZ

David Stinson via BoatAnchors wrote:

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> I've killed many a crystal.  
>  
> If you do have more positive results,  
> please detail exactly what you use and  
> how you do it.?? Old dog seeks new tricks.  
>  
> TNX DE Dave AB5S  
>  
>

From: gumbear at pacbell.net Tue Jan 5 16:07:49 2021  
From: gumbear at pacbell.net (Arden Allen)  
Date: Tue, 5 Jan 2021 08:07:49 -0800  
Subject: [BoatAnchors] Crystal Etching Using Whink  
In-Reply-To: <cc4e8f74-9966-04d3-651a-2d7cbbf6292a@ix.netcom.com>  
References: <16571102C61FD40D.14857@groups.io>  
<cc4e8f74-9966-04d3-651a-2d7cbbf6292a@ix.netcom.com>  
Message-ID: <7F673CEE88DF4413921F3EF6037F77DA@Lenovo>

Maybe take a page from camera plate developers who keep a solution agitated, so the etchant is "refreshed" on the surface of the crystal, thus keeping the etch rate constant. Know the etchant temperature, it affects the etching rate. Ya gotta use "science."

Arden Allen  
KB6NAX

He who is cruel to animals becomes  
hard also in his dealings with men.  
We can judge the heart of a man by  
his treatment of animals.  
?Immanuel Kant

-----Original Message-----

From: David Stinson via BoatAnchors  
Sent: Tuesday, January 05, 2021 4:17 AM  
To: Boatanchors at mailman  
Cc: David Stinson  
Subject: Re: [BoatAnchors] Crystal Etching Using Whink

Well, I left the 3500 crystal in sealed pill bottle with fresh Whink overnight. As before, it moved 2 KC in about 8 hours. So it's not the air. Perhaps Whink is made weaker now. At least the pill bottle didn't waste as much as the tub.

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GL OM ES 73 DE Dave AB5S

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<https://www.avast.com/antivirus>

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BoatAnchors mailing list  
BoatAnchors at [lists.theporch.com](mailto:lists.theporch.com)  
<https://lists.theporch.com/mailman/listinfo/boatanchors>

From arc5 at ix.netcom.com Sat Jan 9 21:26:37 2021  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Sat, 9 Jan 2021 15:26:37 -0600  
Subject: [BoatAnchors] Xtal Etch/Grind: Old Dog Learns New Tricks  
Message-ID: <330b6de2-2412-42a3-e3d6-72a386db2b59@ix.netcom.com>

Just wanted to say "thanks again" to all  
of you who contributed your knowledge  
about grinding and etching crystals.

My success rate for both grinding and  
etching have greatly improved.? In fact,  
I just successfully moved an FT-243  
from 4280 KC up to 4340 KC for use  
in a BC-611.? That's \*60 KC.\*? Not bad.  
Etched it for the first 40 KC, then ground  
it the rest of the way.? Fixed a dead 3465 KC  
with a small crack by edge-grinding out  
the crack, then ground it up to 3507.? Sweet.

Thanks again!? Our community is the best.

GL OM ES 73 DE Dave AB5S

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<https://www.avast.com/antivirus>

From wlfuqu00 at uky.edu Sun Jan 17 03:57:51 2021  
From: wlfuqu00 at uky.edu (Fuqua, William L.)  
Date: Sun, 17 Jan 2021 03:57:51 +0000

Subject: [BoatAnchors] BAMA PROBLEM

In-Reply-To: <330b6de2-2412-42a3-e3d6-72a386db2b59@ix.netcom.com>

References: <330b6de2-2412-42a3-e3d6-72a386db2b59@ix.netcom.com>

Message-ID:

<BN7PR03MB4499886340FC83084AA5F0BACBA50@BN7PR03MB4499.namprd03.prod.outlook.com>

When I try to down load anything from BAMA I get an error message.  
ERROR

The download limit has been reached, please come back later to try again  
( c610acd3-8bea-45ff-a310-6e5dce431a33 )

73

Bill wa4lav

From tbryan at nova.org Tue Jan 19 18:20:46 2021

From: tbryan at nova.org (Tom B)

Date: Tue, 19 Jan 2021 13:20:46 -0500

Subject: [BoatAnchors] WTB: BC-1306 case

Message-ID: <e8d1c191-9d4e-b281-24be-299baeba4019@nova.org>

Hello All,

I am looking for a case for a BC-1306 with or without the front cover.?  
Anybody got one to sell?

Tom Bryan

N3AJA

From garygarlic at earthlink.net Tue Jan 26 18:21:12 2021

From: garygarlic at earthlink.net (Gary Woods)

Date: Tue, 26 Jan 2021 13:21:12 -0500

Subject: [BoatAnchors] 872AX arc failure

Message-ID: <ctm01gttfjn76t0urbhd74hj916fkd9q6k@4ax.com>

I know they're really really old, but I've had two 872AX mercury vapor rectifiers fail the same way in a Viking Kw: an arc from the filament pins to the grounded metal base. One had an arc path through the plastic which I ground away with a small grinder and a ball bit, the other had several arcs right to the crimped ring on the bottom of the base. Has anyone had success with the (expensive) solid state replacements, and where else should I be looking. The underside of

the socket looks clean; no dust tracks. FWIW, I've never run AM with the amp, just Class C CW and SSB. The surge was enough to burn the flex wires to the armature of the plate relay. At the moment, it's keeping the cellar shack's concrete floor from floating away.

TIA,

--

Gary Woods O- K2AHC    Public keys at [home.earthlink.net/~garygarlic](http://home.earthlink.net/~garygarlic), or get  
0x1D64A93D via keyserver  
fingerprint =   E2 6F 50 93 7B C7 F3 CA   1F 8B 3C C0 B0 28 68

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<https://www.avast.com/antivirus>

From garygarlic at earthlink.net   Tue Jan 26 18:24:55 2021  
From: garygarlic at earthlink.net (Gary Woods)  
Date: Tue, 26 Jan 2021 13:24:55 -0500  
Subject: [BoatAnchors] 872AX arc failure  
In-Reply-To: <ctm01gttfjn76t0urbhd74hj916fkd9q6k@4ax.com>  
References: <ctm01gttfjn76t0urbhd74hj916fkd9q6k@4ax.com>  
Message-ID: <mfn01ghmasjbjacgdem8kg783acmht1rdj@4ax.com>

P.S.: the 810 modulators are in place and pulling the recommended  
100ma idle current, call them "active bleeders?"   HV running 2000V.

--

Gary Woods O- K2AHC    Public keys at [home.earthlink.net/~garygarlic](http://home.earthlink.net/~garygarlic), or get  
0x1D64A93D via keyserver  
fingerprint =   E2 6F 50 93 7B C7 F3 CA   1F 8B 3C C0 B0 28 68

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<https://www.avast.com/antivirus>

From arc5 at ix.netcom.com   Wed Jan 27 14:49:44 2021  
From: arc5 at ix.netcom.com (David Stinson)  
Date: Wed, 27 Jan 2021 08:49:44 -0600  
Subject: [BoatAnchors] TCS Antenna Matching, Again.  
Message-ID: <b9ec0d70-9dcb-6219-0667-0b015a56fb92@ix.netcom.com>

Good Morning.

I'm de-bugging TCS-13 RX/TX? to prepare them  
for trade.? Was discussing this with a friend who  
says he's going to "get around to getting mine  
on the air.?" He said he needed to gather a

bunch of parts to "build a matching box for the antenna" and/or add turns to the link output. ? We've talked about this before, but perhaps it is time to take this old horse out for another ride.

Each to his own, of course.? But if your goal is to match the output of your TCS to a 50-ohm, resonant, coax-fed antenna, you need exactly ~~one~~ part per band:  
A good-quality, RF capable capacitor like these 100pFd from Ebay:  
<https://www.ebay.com/itm/264384761640>  
<https://www.ebay.com/itm/192780283722>

Shop around, because some suppliers think they are made of gold.? The ones from Ukraine and Russia are usually good, but there are exceptions. These from Russia are also garbage.? Threw them all in the trash:  
<https://www.ebay.com/itm/274483321049>

Do NOT buy the blue or red dipped ceramics. These are Chinese garbage and useless at RF.

Here's the one I prefer.? They show-up on Ebay from time to time.? You should grab some.  
<https://photos.app.goo.gl/giUwmLB9uDmDEEPq8>

For 75-80 Meters, use 100 pFd.? It connects in series with your coax center conductor and Antenna connector, NOT to ground.

For 40-30 Meters, just switch the lower-left control to "SERIES."? This places an internal 50 pFd cap in the circuit and the rig will tune right up on those bands into your 50-ohm load.

I don't remember what I used for 160M, but it was somewhere between 750 pFd and 1000 pFd, a good USA- or UK-made high voltage disc ceramic.

In this video, the transmitter ANT post is connected to a coax jumper.? That runs to the Wattmeter (not using the tuner-using the dummy load).? The coax jumper center conductor goes to the cap and the other end of the cap goes to the SO-238 center pin connection.? Coax



shield to ground, of course.? Here is the  
result of this configuration on 75M:  
<https://photos.app.goo.gl/cWKT5nhQbKuhWJaT9>

Everyone do what they think best, of course.  
As for me, "simpler is better."

GL OM ES 73 DE Dave AB5S

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<https://www.avast.com/antivirus>

From wlfuqu00 at uky.edu Fri Jan 29 22:12:48 2021  
From: wlfuqu00 at uky.edu (Fuqua, William L.)  
Date: Fri, 29 Jan 2021 22:12:48 +0000  
Subject: [BoatAnchors] BAMA.  
In-Reply-To: <b9ec0d70-9dcb-6219-0667-0b015a56fb92@ix.netcom.com>  
References: <b9ec0d70-9dcb-6219-0667-0b015a56fb92@ix.netcom.com>  
Message-ID:  
<BN7PR03MB4499511DBDBEA01E22E63E85CBB99@BN7PR03MB4499.namprd03.prod.outlook.com>

Is the BAMA server down???  
73  
Bill wa4lav

-----  
From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of David Stinson via BoatAnchors <boatanchors at lists.theporch.com>  
Sent: Wednesday, January 27, 2021 9:49 AM  
To: milsurplus at mailman <milsurplus at mailman.qth.net>; Boatanchors at mailman <boatanchors at mailman.qth.net>  
Cc: David Stinson <arc5 at ix.netcom.com>  
Subject: [BoatAnchors] TCS Antenna Matching, Again.

CAUTION: External Sender

Good Morning.  
I'm de-bugging TCS-13 RX/TX to prepare them  
for trade. Was discussing this with a friend who  
says he's going to "get around to getting mine  
on the air." He said he needed to gather a  
bunch of parts to "build a matching box for  
the antenna" and/or add turns to the link  
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but perhaps it is time to take this old horse  
out for another ride.

Each to his own, of course. But if your  
goal is to match the output of your TCS  
to a 50-ohm, resonant, coax-fed antenna,  
you need exactly *\*one\** part per band:  
A good-quality, RF capable capacitor  
like these 100pFd from Ebay:

<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ebay.com%2Fitm%2F264384761640&data=04%7C01%7Cw1fuqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Iik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=UtYU0%2FIeprddimwezxaRL0Ig0n0mzSup6HRBoKYeFZ0%3D&reserved=0>  
<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ebay.com%2Fitm%2F192780283722&data=04%7C01%7Cw1fuqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Iik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=ns0DEdPPG5D%2BJHV2ZDqe2bnnMCCA2TBYH0xnHYHIot4%3D&reserved=0>

Shop around, because some suppliers think  
they are made of gold. The ones from  
Ukraine and Russia are usually good,  
but there are exceptions. These from Russia  
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<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ebay.com%2Fitm%2F274483321049&data=04%7C01%7Cw1fuqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Iik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=n4PnGZ8nK0ouSCGxYbtHARR%2F60KnTr%2FdLQ5Jvqs0C1E%3D&reserved=0>

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<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fphotos.app.goo.gl%2FcWKT5nhQbKuhWJaT9&data=04%7C01%7Cwlfluqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IkhawwiLCJXVCi6Mn0%3D%7C1000&sdata=jUVelhG3EFP0jwZUKZSzs%2B5MRf2Lf%2FiAx41MjB7XKk4%3D&reserved=0>

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GL OM ES 73 DE Dave AB5S

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<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.avast.com%2Fantivirus&data=04%7C01%7Cwlfluqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IkhawwiLCJXVCi6Mn0%3D%7C1000&sdata=W%2Fla6t8rWI2FUHteztIy%2BzCSsCtpGFuvDDbg%2FycqD70%3D&reserved=0>

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BoatAnchors mailing list

BoatAnchors at lists.theporch.com

<https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=04%7C01%7Cwlfluqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IkhawwiLCJXVCi6Mn0%3D%7C1000&sdata=W%2Fla6t8rWI2FUHteztIy%2BzCSsCtpGFuvDDbg%2FycqD70%3D&reserved=0>

jAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&data=ETB0dRJqsXGf4AOLWwSyk%2FJ8YlzeGS8TjxQjoTicQjs%3D&reserved=0

From ghyoungman at gmail.com Fri Jan 29 22:15:45 2021

From: ghyoungman at gmail.com (Grant Youngman)

Date: Fri, 29 Jan 2021 17:15:45 -0500

Subject: [BoatAnchors] BAMA.

In-Reply-To:

<BN7PR03MB4499511DBDBEA01E22E63E85CBB99@BN7PR03MB4499.namprd03.prod.outlook.com>

References: <b9ec0d70-9dcb-6219-0667-0b015a56fb92@ix.netcom.com>

<BN7PR03MB4499511DBDBEA01E22E63E85CBB99@BN7PR03MB4499.namprd03.prod.outlook.com>

Message-ID: <41C1621C-AC4C-4541-B8E6-8313901C8457@gmail.com>

bama.edebris.com appears to be accessible ...

> On Jan 29, 2021, at 5:12 PM, Fuqua, William L. <wlfuqu00 at uky.edu> wrote:

>

> Is the BAMA server down???

> 73

> Bill wa4lav

>

> -----

> From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of David Stinson via BoatAnchors <boatanchors at lists.theporch.com>

> Sent: Wednesday, January 27, 2021 9:49 AM

> To: milsurplus at mailman <milsurplus at mailman.qth.net>; Boatanchors at mailman <boatanchors at mailman.qth.net>

> Cc: David Stinson <arc5 at ix.netcom.com>

> Subject: [BoatAnchors] TCS Antenna Matching, Again.

>

From navy.radio at gmail.com Fri Jan 29 22:21:13 2021

From: navy.radio at gmail.com (Nick England)

Date: Fri, 29 Jan 2021 17:21:13 -0500

Subject: [BoatAnchors] BAMA.

In-Reply-To:

<BN7PR03MB4499511DBDBEA01E22E63E85CBB99@BN7PR03MB4499.namprd03.prod.outlook.com>

References: <b9ec0d70-9dcb-6219-0667-0b015a56fb92@ix.netcom.com>

<BN7PR03MB4499511DBDBEA01E22E63E85CBB99@BN7PR03MB4499.namprd03.prod.outlook.com>

Message-ID: <CAB55hNfJ20yzoZM3i0mZg5cfhEJEY0QxsL4Y\_AGPPg49P5TG1g@mail.gmail.com>

Working fine

<https://bama.edebris.com>

On Fri, Jan 29, 2021 at 5:13 PM Fuqua, William L. <wlfuqu00 at uky.edu> wrote:

> Is the BAMA server down???

> 73

> Bill wa4lav

>

> -----

> From: BoatAnchors <boatanchors-bounces at lists.theporch.com> on behalf of

> David Stinson via BoatAnchors <boatanchors at lists.theporch.com>

> Sent: Wednesday, January 27, 2021 9:49 AM

> To: milsurplus at mailman <milsurplus at mailman.qth.net>; Boatanchors at

> mailman <

> boatanchors at mailman.qth.net>

> Cc: David Stinson <arc5 at ix.netcom.com>

> Subject: [BoatAnchors] TCS Antenna Matching, Again.

>

> CAUTION: External Sender

>

>

> Good Morning.

> I'm de-bugging TCS-13 RX/TX to prepare them

> for trade. Was discussing this with a friend who

> says he's going to "get around to getting mine

> on the air." He said he needed to gather a

> bunch of parts to "build a matching box for

> the antenna" and/or add turns to the link

> output. We've talked about this before,

> but perhaps it is time to take this old horse

> out for another ride.

>

> Each to his own, of course. But if your

> goal is to match the output of your TCS

> to a 50-ohm, resonant, coax-fed antenna,

> you need exactly \*one\* part per band:

> A good-quality, RF capable capacitor

> like these 100pFd from Ebay:

>

> <https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ebay.com%2Fitm%2F264384761640&data=04%7C01%7Cw1fuqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C1000&sdata=UtYU0%2FIeprddimwezxaRLOIg0n0mzSup6HRBoKYeFZ0%3D&reserved=0>

>

> <https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ebay.com%2Fitm%2F192780283722&data=04%7C01%7Cw1fuqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6IklhaWwiLCJXVCi6Mn0%3D%7C1000&sdata=ns0DEdPPG5D%2BJHV2ZDqe2bnnMCCA2TBYH0xnHYHIot4%3D&reserved=0>

>

> Shop around, because some suppliers think

> they are made of gold. The ones from

> Ukraine and Russia are usually good,

> but there are exceptions. These from Russia

> are also garbage. Threw them all in the trash:

>

> <https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.ebay.com%2Fitm%2F274483321049&data=04%7C01%7Cw1fuqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Iik1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=n4PnGZ8nK0ouSCGxYbtHARR%2F60Knr%2FdLQ5Jvqs0C1E%3D&reserved=0>

>

> Do NOT buy the blue or red dipped ceramics.

> These are Chinese garbage and useless at RF.

>

> Here's the one I prefer. They show-up on

> Ebay from time to time. You should grab some.

>

> <https://nam04.safelinks.protection.outlook.com/?url=https%3A%2F%2Fphotos.app.goo.gl%2FgiUwmLB9uDmDEEPq8&data=04%7C01%7Cw1fuqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Iik1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=pA040rZ14r%2ByFIFMa%2BzfcT%2B%2Fm%2BIB6yzJgGvYtJgATuc%3D&reserved=0>

>

> For 75-80 Meters, use 100 pFd. It connects in series

> with your coax center conductor and Antenna

> connector, NOT to ground.

> For 40-30 Meters, just switch the lower-left

> control to "SERIES." This places an internal 50 pFd

> cap in the circuit and the rig will tune right up

> on those bands into your 50-ohm load.

> I don't remember what I used for 160M,

> but it was somewhere between 750 pFd and

> 1000 pFd, a good USA- or UK-made high voltage

> disc ceramic.

>

> In this video, the transmitter ANT post

> is connected to a coax jumper. That runs

> to the Wattmeter (not using the tuner-

> using the dummy load). The coax

> jumper center conductor goes to the cap

> and the other end of the cap goes to the

> SO-238 center pin connection. Coax

> shield to ground, of course. Here is the

> result of this configuration on 75M:

>  
> https://nam04.safelinks.protection.outlook.com/?  
url=https%3A%2F%2Fphotos.app.goo.gl%2FcWKT5nhQbKuhWJaT9&data=04%7C01%7Cw1fuqu0  
0%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%  
7C0%7C0%7C637473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjojMC4wLjAwMDAiLCJQIjojV  
2luMzIiLCJBTiI6Ik1haWwiLCJXVCi6Mn0%3D%7C1000&sdata=jUVelhg3EFP0jwZUkZSzs%2B5MR  
f2Lf%2FiAx41MjB7XKk4%3D&reserved=0  
>  
> Everyone do what they think best, of course.  
> As for me, "simpler is better."  
>  
> GL OM ES 73 DE Dave AB5S  
>  
>  
> --  
> This email has been checked for viruses by Avast antivirus software.  
>  
> https://nam04.safelinks.protection.outlook.com/?  
url=https%3A%2F%2Fwww.avast.com%2Fantivirus&data=04%7C01%7Cw1fuqu00%40uky.edu%  
7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b818481cb53d42ae%7C0%7C0%7C63  
7473557891090315%7CUnknown%7CTWFpbGZsb3d8eyJWIjojMC4wLjAwMDAiLCJQIjojV2luMzIiLCJBT  
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g%2FycqD70%3D&reserved=0  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
>  
> https://nam04.safelinks.protection.outlook.com/?  
url=https%3A%2F%2Flists.theporch.com%2Fmailman%2Flistinfo%2Fboatanchors&data=0  
4%7C01%7Cw1fuqu00%40uky.edu%7C992009522f614accc30708d8c2d2cb18%7C2b30530b69b64457b  
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f4AOLWwSyk%2FJ8YlzeGS8TjxQjoTicQjs%3D&reserved=0  
>  
> -----  
> BoatAnchors mailing list  
> BoatAnchors at lists.theporch.com  
> https://lists.theporch.com/mailman/listinfo/boatanchors  
>  
> --  
Nick England K4NYW  
www.navy-radio.com

From 1911autoloader at gmail.com Tue Jan 26 19:28:16 2021  
From: 1911autoloader at gmail.com (Mike Anonymous)  
Date: Tue, 26 Jan 2021 19:28:16 -0000  
Subject: [BoatAnchors] 872AX arc failure  
In-Reply-To: <ctm01gttfjn76t0urbhd74hj916fkd9q6k@4ax.com>

References: <ctm01gttfjn76t0urbhd74hj916fkd9q6k@4ax.com>

Message-ID: <c94635c6-f615-9e71-963c-10a8921b7637@gmail.com>

Gary, FWIW, I had a similar failure on a Valiant.? The tube socket shorted.? I think the socket material becomes corrupt over the years.? Fortunately, there was no other damage and replacing the socket fixed the problem.

73, Mike

On 1/26/2021 12:21 PM, Gary Woods via BoatAnchors wrote:

> I know they're really really old, but I've had two 872AX mercury vapor  
> rectifiers fail the same way in a Viking Kw: an arc from the filament  
> pins to the grounded metal base. One had an arc path through the  
> plastic which I ground away with a small grinder and a ball bit, the  
> other had several arcs right to the crimped ring on the bottom of the  
> base. Has anyone had success with the (expensive) solid state  
> replacements, and where else should I be looking. The underside of  
> the socket looks clean; no dust tracks. FWIW, I've never run AM with  
> the amp, just Class C CW and SSB. The surge was enough to burn the  
> flex wires to the armature of the plate relay. At the moment, it's  
> keeping the cellar shack's concrete floor from floating away.

>

> TIA,

>